



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Joseph A. Bennett, Mikal C. Hunsaker, Annop
Mukker, and Adit D. Tarmaster

Application No.: 09/870808

Art Unit: Unknown

Filed: May 31, 2001

Examiner: Unassigned

For: Data Bridge and Bridging

Commissioner of Patents
Washington, D.C. 20231

AMENDMENT

Dear Sir:

The original application includes claims 1-29 and claims 1-29 are pending. No other amendments have been made and Applicant has not received an Office action to date. Applicant respectfully requests that the application be amended to include the following claims, claims 30-43. Further, Applicant submits that the following claims do not add new matter to the original application and support for each claim is obvious from a review of the original application.

06/01/2001 NROCHA1 00000063 09870808

01 FD:102
02 FD:103

160.00 OP
252.00 OP

- 1 30. An apparatus, comprising:
 - 2 a buffer to store a split completion of a transaction;
 - 3 an arbiter to arbitrate initiation of a split-completion transaction for the
 - 4 split completion based upon a priority associated with the split
 - 5 completion; and
 - 6 circuitry to initiate the split-completion transaction.
- 1 31. The apparatus of claim 30, further comprising circuitry coupled to said circuitry to
- 2 track outstanding split-completion transactions.
- 1 32. The apparatus of claim 30, further comprising circuitry coupled to said circuitry to
- 2 limit a quantity of outstanding split-completion transactions.
- 1 33. The apparatus of claim 30, further comprising circuitry to track available space in
- 2 said buffer for a second split completion.
- 1 34. The apparatus of claim 30, wherein said circuitry comprises:
 - 2 an initiator to forward the split-completion transaction to a target device;
 - 3 and
 - 4 a completer to respond to a requester of the split-completion transaction.
- 1 35. The apparatus of claim 30, wherein said arbiter comprises circuitry to associate a
- 2 priority with initiation of the split-completion transaction based upon a
- 3 determination of fairness for a requester associated with the split completion.
- 1 36. The apparatus of claim 35, wherein the circuitry to associate a priority comprises
- 2 circuitry to determine fairness for the requester based upon a round robin selection
- 3 of the requester.
- 1 37. The apparatus of claim 35, wherein the circuitry to associate a priority comprises
- 2 circuitry to determine fairness for the requester based upon a fixed priority for
- 3 access by the requester.
- 1 38. The apparatus of claim 30, wherein said arbiter comprises a counter coupled to
- 2 said circuitry to monitor the duration of the split-completion transaction.

- 1 39. A system, comprising:
 - 2 a bridge to arbitrate initiation of a split-completion transaction and to
 - 3 initiate the split-completion transaction; and
 - 4 a processor to receive the split-completion transaction from said bridge.
- 1 40. The system of claim 39, wherein said processor comprises circuitry to transact
- 2 with a target device via said bridge.
- 1 41. The system of claim 39, wherein said processor comprises circuitry to respond to
- 2 the split-completion transaction via said bridge.
- 1 42. The system of claim 39, wherein said bridge comprises:
 - 2 circuitry to determine a sequence for the split-completion transaction
 - 3 based upon a priority associated with the split completion; and
 - 4 circuitry to initiate the split-completion transaction according to the
 - 5 sequence.
- 1 43. The system of claim 41, wherein said bridge further comprises circuitry to limit
- 2 the duration of the split-completion transaction.

CONCLUSION

Applicant respectfully submits that the amendment adding claims 30-43 should be entered. The support for the added claims is obvious from a review of the original application and the new claims are numbered from the next highest number after the claims originally submitted. In addition, Applicant submits that the pending and amended claims, claims 1-43, are in allowable form and respectfully requests that examination proceeds. If Examiner has any questions concerning this application, Applicant requests Examiner to telephone the undersigned at the telephone number shown below as soon as possible.

Please charge any additional fees or credit any overpayment to Deposit Account No. 02-2666.

Respectfully submitted,
Blakely Sokoloff Taylor & Zafman LLP



July 24, 2001
Date:

Jeffrey S. Schubert
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HA

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/870,808
		Filing Date	05-31-2001
		First Named Inventor	Joseph A. Bennett, et al.
		Group Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	7	Attorney Docket Number	42390P10976

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Preliminary Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Postcard Check
Remarks <p>Please charge any insufficiencies, if any, or credit any overpayments to Deposit Account No 02-2666.</p>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Jeffrey S. Schubert Reg. 43,098
Signature	
Date	July 24, 2001

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 7-24-01

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Signature	
Date	7-24-01

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 412.00)

Complete if Known

Application Number	09/870,808
Filing Date	05-31-2001
First Named Inventor	Joseph A. Bennett, et al.
Examiner Name	Not Yet Assigned
Group Art Unit	Not Yet Assigned
Attorney Docket No.	42390P10976

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **02-2666**
Deposit Account Name **Blakely Sokoloff Taylor & Zafman**

Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.
See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	43	- 29 = 14 x 18 = 252.	
Independent Claims	6	- 4 = 2 x 80 = 160.	
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 412.00)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 130	123 130	Petitions related to provisional applications	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	
Other fee (specify) _____			

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type)	Signature	Registration No. (Attorney/Agent)	Telephone	Complete if applicable
Jeffrey S. Schubert	<i>Jeffrey S. Schubert</i>	43,098	(512) 330-0844	

Date **7-24-01**

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